

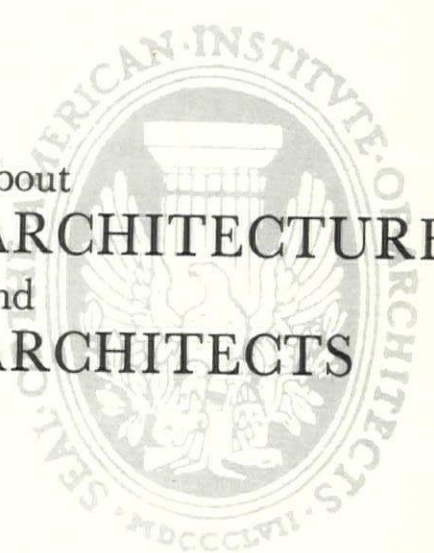
New Hampshire **ARCHITECT**

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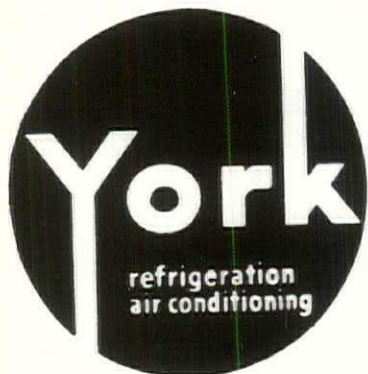
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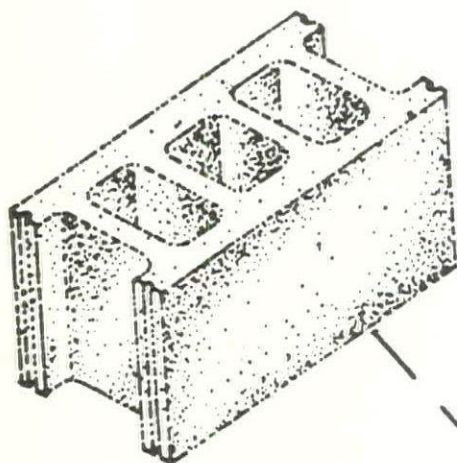
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The President's Message

All too frequently, and in practically every type of building low cost becomes the measure of quality and the only criteria by which a building is judged. Sadder still, and just as often, cheapness is traded in under the name of *economy*.

This seems true all over the nation, particularly in public buildings, with the result that the architect is often put in the position of providing buildings of lower and lower cost in the face of higher and higher building prices. This dilemma has produced some strange things and public buildings too often have become monuments to a low tax rate. Is this the fault of what may in fact have been a skimpy budget? Or has the low budget scared the architect out of his architecture — or further, has the architect fallen into the trap of using low cost as the only measure of worth.

It is true that everyone wants economy in building, architect and client alike, but it is also true that economy does not mean cheapness, and that true economy need not limit design. There are many examples of buildings that burst out of the straight jacket of cost — sure proof that a low budget need not limit good architecture, and while a tight budget cannot afford luxuries it can still provide a few niceties. The only ingredient required for this is imagination; and to the imagination, cost certainly places no limits.

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A.I.A. SUMMER MEETING HELD AT RYE BEACH

More than 40 members and guests attended the summer meeting of New Hampshire Chapter, A.I.A., Thursday, August 21 at the Hotel Farragut, Rye Beach. Highlight of the outing was an old fashioned clambake, followed by dancing.

President Nicholas Isaak presided at a short business meeting, following the meeting of the executive board.

President Isaak called attention of the gathering that Mr. and Mrs. Stephen P. Tracy were observing their silver wedding anniversary, and the Nashua couple was given an ovation by the group.

W. Pope Barney, F. A. I. A., of Philadelphia, Pa., who has retired and is to reside in New Hampshire, was a guest of the state chapter.

Horace Bradt was program chairman.

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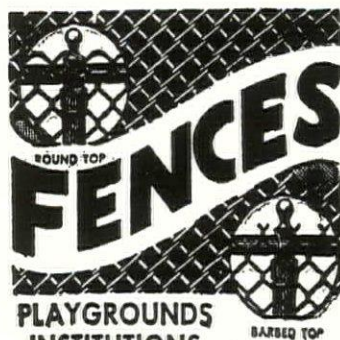
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SULLIVAN BECOMES CORPORATE MEMBER

John D. Sullivan of Manchester recently became a corporate member of N. H. Chapter, A. I. A., and received his membership pin from President Nicholas Isaak at the dinner meeting August 21 at the Hotel Farragut, Rye Beach.

Sullivan has been associated with John D. Betley of Manchester for the past three years, and prior to that time had worked in offices in Boston and Washington.



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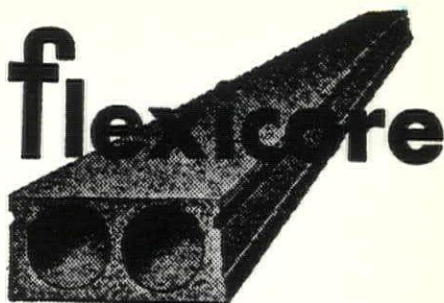
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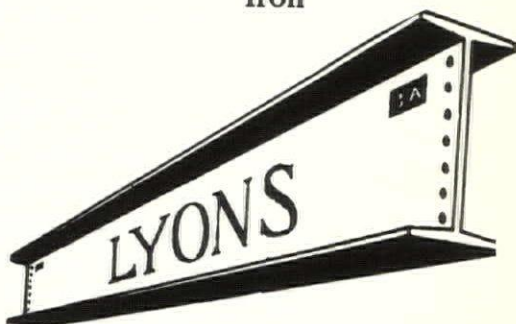
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PART ONE

THE ARCHITECT: HIS PROFESSION AND TRAINING

Architecture is the expression of a civilization through the medium of building. We are born in architecture and live most of our lives in it. Our cities are, in fact, architectural museums—reflecting in their skylines the use of materials, light and space. Schools, theaters, libraries, stores, swimming pools and gyms—every type of structure in our communities is the product of the Architect's art and science.

- To most of the public, architecture means the *home*. And the job of the Architect means quite simply—the housing of a family so that it may live comfortably, conveniently, economically and with a certain pride in possession. If the plan of that home fulfills its needs, if its construction embodies its plan, if its pattern and design conform to its construction and reflect its planning—then it is a *good house* and will serve its purpose as a *good home* for the family.

- But the work of the Architect is much broader than this; he also designs churches, warehouses, airports, zoos, hotels, laboratories, supermarkets, department stores, etc. Into all these the Architect projects more than the technicalities of his drawing board; he must keep in mind the needs of his client and the effects of his work on society. If he is designing a school he first consults with the educators to determine the specific needs and use of the school; if it is a large apartment he studies the movement of population and the relation between income and rent in that particular district; in planning a factory he must know all aspects of the product to be made there.

Education of an Architect: The best preparation for architectural school is a well-rounded high school education: an academic course of study, with social studies and industrial art as electives and with as many courses in mathematics as possible.

- Professional training usually consists of a minimum of five years of study at an accredited school or college of architecture, plus at least three years of apprenticeship in an Architect's office. Professional curriculum includes architectural design, materials and methods of construction, design theory, structural design, working drawings, specifications, graphics, freehand drawing, professional ethics, history of architecture.

- After completing academic training, the first job is actually the apprenticeship lasting three or more years (similar to a doctor's

internship), broadening technical knowledge while gaining practical experience. Jobs are likely to include tracing, lettering, "measuring up" for alterations, or other drafting jobs. Eventually the Architect opens his own office.

● Architects undertake planning and design of a wide variety of structures with these main types:

DOMESTIC:

homes, apartment houses, club houses.

INDUSTRIAL:

factories, mills, lofts, warehouses, laboratories.

COMMERCIAL:

banks, hotels, restaurants, stores, office buildings, garages.

INSTITUTIONAL:

hospitals, asylums and sanatoria, libraries, museums, schools, colleges, prisons, churches, dormitories.

PUBLIC:

post offices, police and fire stations, health centers, markets, court houses, custom houses, monuments.

ASSEMBLY:

auditoria, theatres, gymnasias, recreation buildings, swimming pools, stadia, skating rinks.

TRANSPORTATION:

air, bus and train terminals.

SITE PLANS:

housing developments, industrial groups, town planning.

HEAVY ENGINEERING:

consultation work on power houses, sewers, bridges, dams, etc.

MISCELLANEOUS:

modernization, alterations and remodeling of structures; survey for industry; interior designing; material research.

Licensing: Since architecture involves public health and safety, all states and territories now require that an Architect be licensed or registered to practice. He must qualify and fully demonstrate his competence—just as young doctors must submit to examinations by their local medical boards. Usually the candidate for admission to examinations must be a graduate from an architectural school with three years of practical experience in an Architect's office. As a substitute for graduation from an architectural school most states accept longer periods of practical experience, usually a total of ten to twelve years. Many states also require graduation from high school as a necessary requisite for admission to the examination.

● Architects and their Institute, recognizing registration as a powerful influence in raising standards of practice, have long taken a keen interest in the matter, and through a Standing Committee are ready to cooperate with the National Council of Architectural Registration Boards. Safeguards against inexperienced or otherwise incompetent practitioners have come about through continued efforts to maintain the practice of architecture upon the highest professional plane.

(To be continued in October issue)

OVERHEAD DOOR COMPANY ERECTS NEW WAREHOUSE

Overhead Door Company, Inc., of Nashua, is now in the process of erecting a new warehouse and trucking area in the Gate City, James D. Hardin, president of the company, has announced.

This new building will be an addition to the existing plant, and will include approximately 10,000 square feet of floor

space for the warehouse, and about 4,000 square feet of floor space for the trucking area. The company will then have up to 75,000 square feet floor space.

When completed, Mr. Hardin said, the company will be in a position to extend and improve its manufacturing operations, as well as increase its handling facilities.



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The \$460,000 YMCA construction project in Keene is started by Ellis Robertson, president, center. Others, left to right, are Mayor Richard P. Gilbo, Henry M. Frechette, chairman of the building committee; Richard E. Bean, contractor, and John R. Holbrook, architect. (Abbott Studio.)

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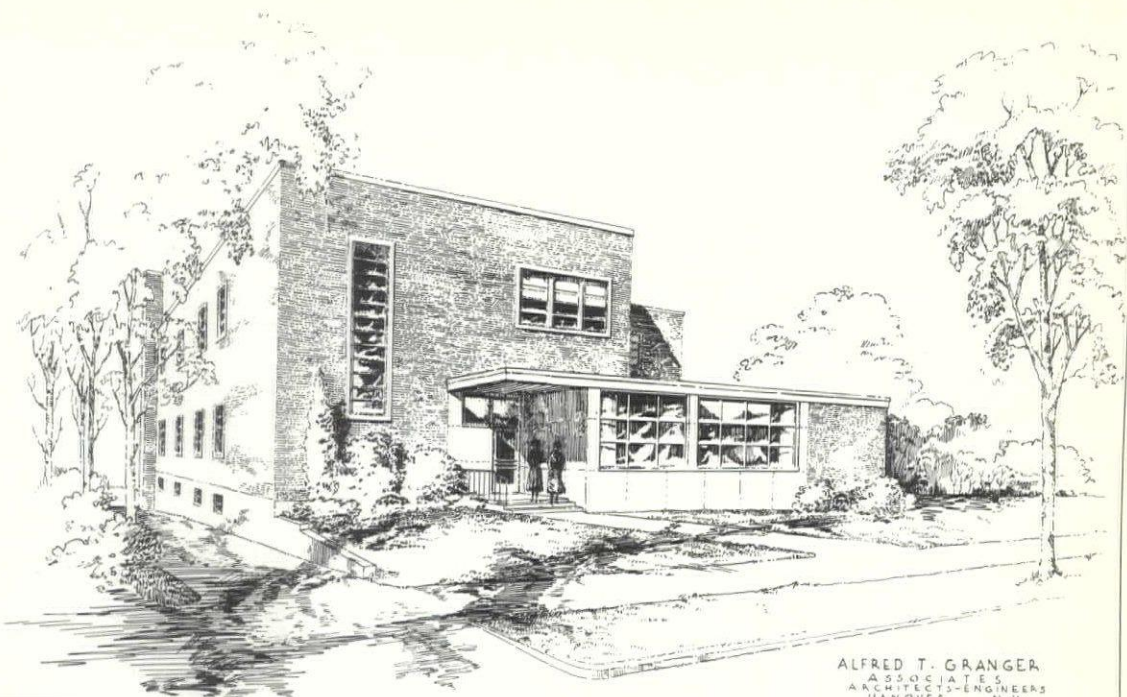
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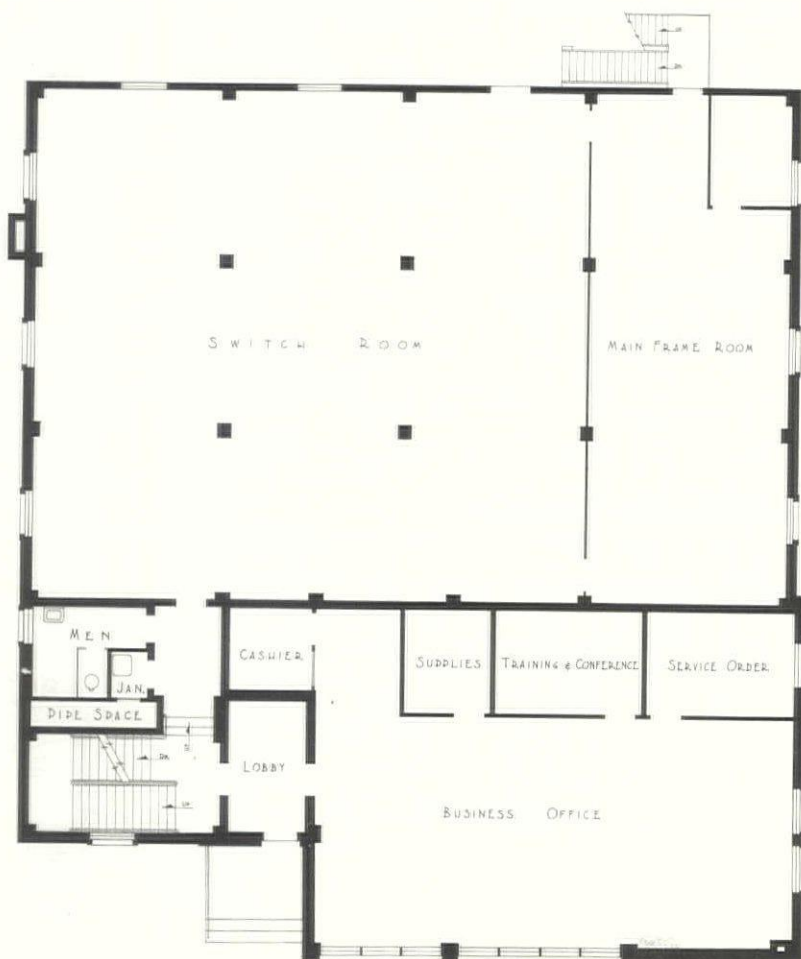
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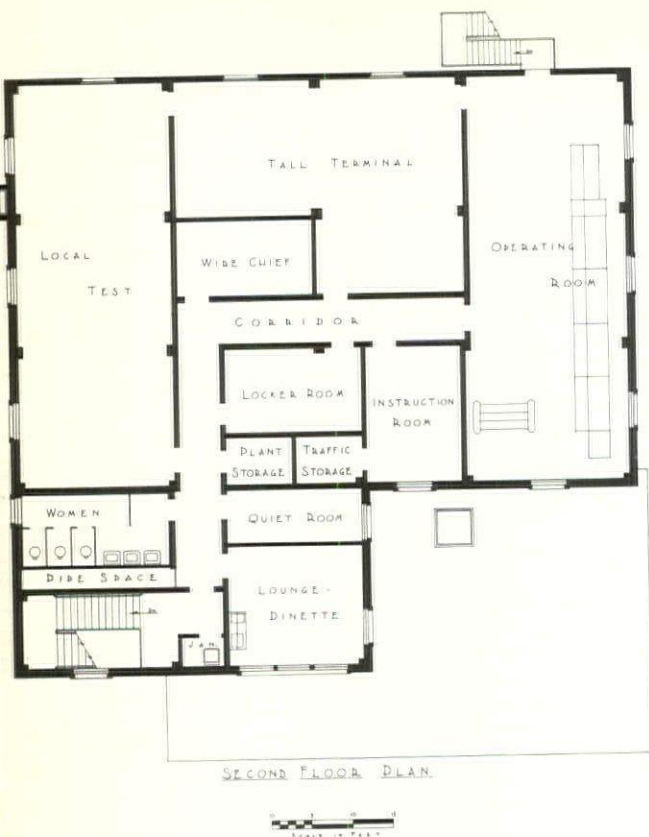


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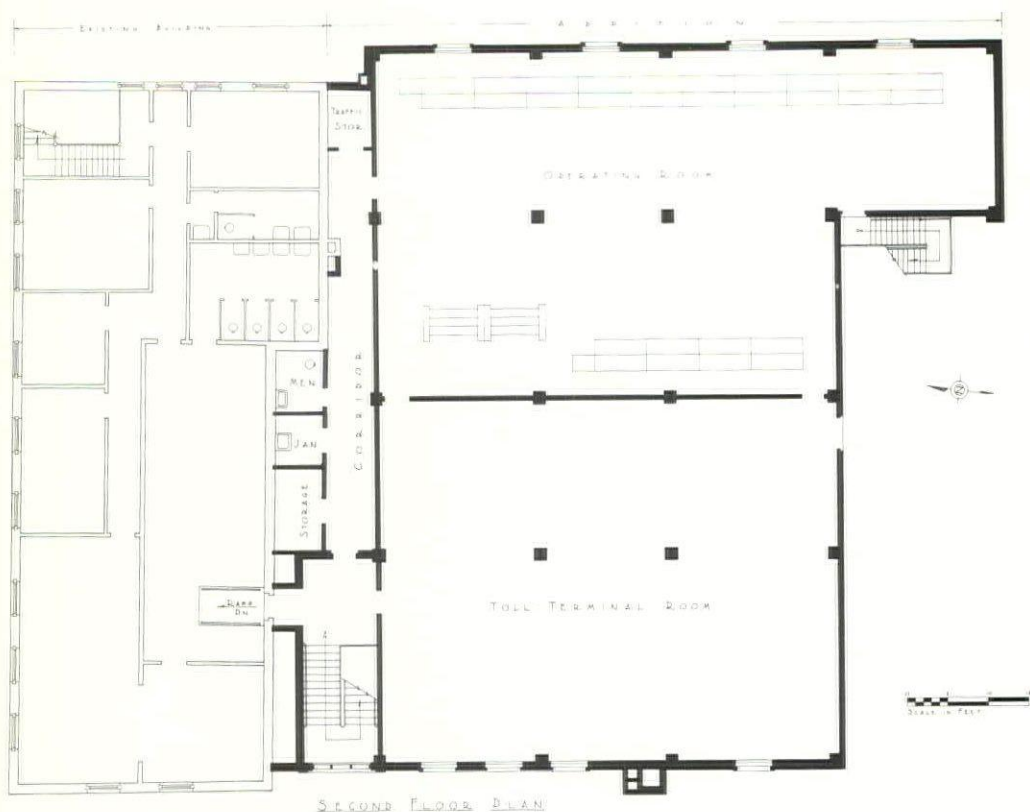
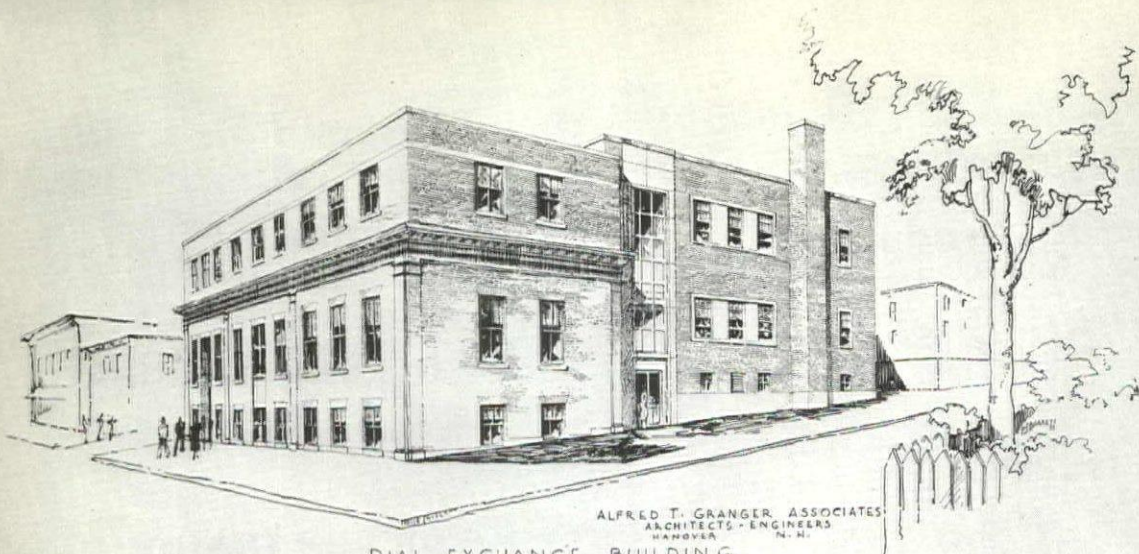
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FLOOR & ROOF CONSTRUCTION: Reinforced concrete with concrete spandrels, beams and columns. **ROOF:** Tar and Gravel, 20-year bond. **FLASHING:** Copper. **GRAVEL STOP:** Lead-coated copper. **WINDOWS:** Metal. **DOOR BUCKS & TRIM:** Metal. **DOORS, INSIDE:** Flush hollow metal. **DOORS, OUTSIDE:** Flush hollow metal. **STAIRS:** Steel with terrazzo treads. **CEILINGS:** Concrete surface, painted excepting ceilings of Local Test Center, Operating Rm. which are covered with acoustical units. **HEATING:** Vapor Steam with ventilating units. **PLUMBING:** Standard. **ELECTRIC:** Rigid Conduit.

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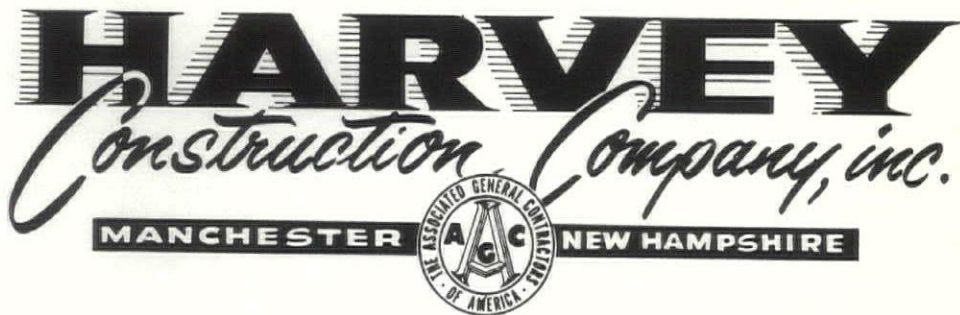
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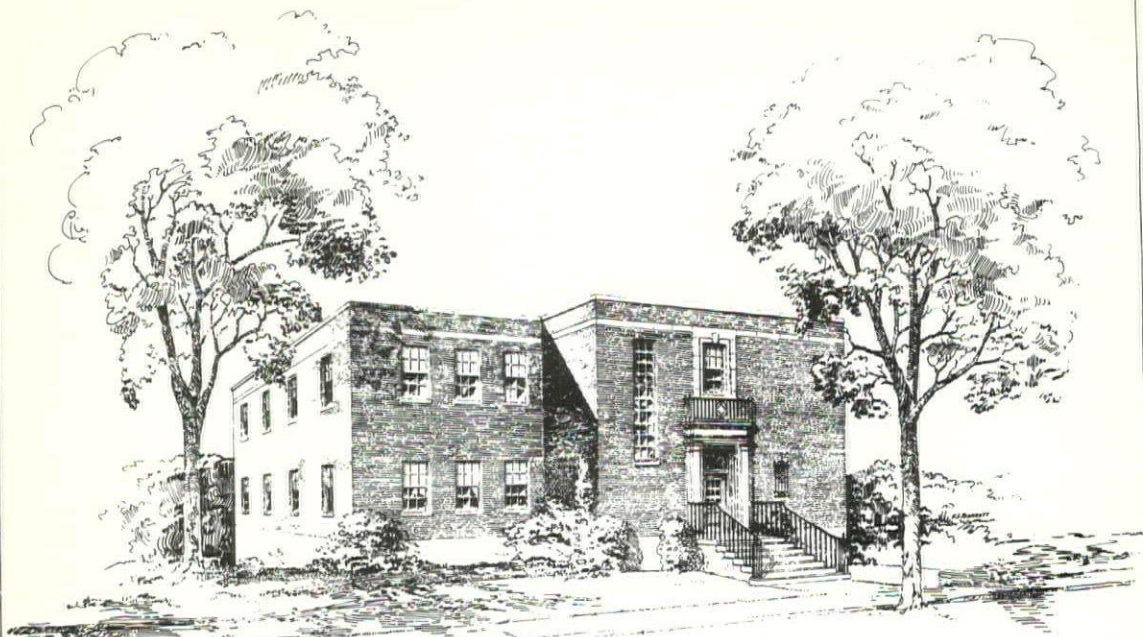


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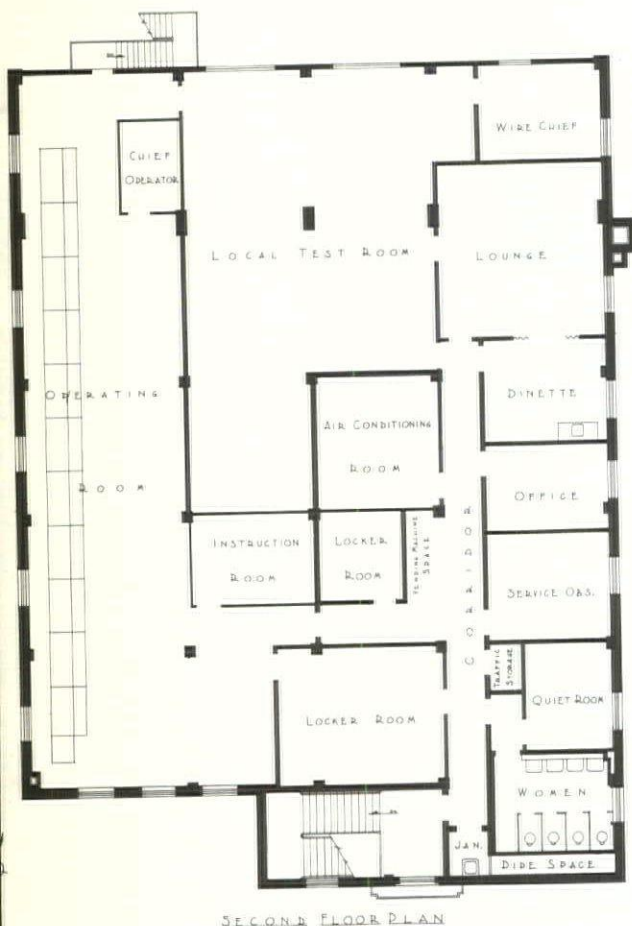


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CONSTRUCTION:

FOUNDATIONS & FOOTINGS: Concrete. **EXTERIOR WALLS:** Northeast and West, reinforced concrete (designed for atomic bombing pressure) faced with water struck brick, metal furred, metal lathed and plastered on second floor. South wall from Ground Floor to Roof, combination Robertson metal floor & insulated wall panels. **INTERIOR PARTITIONS:** Ground Floor and portions of first and second floors, sand lime brick. Metal Hollow Wall & Plaster partitions on Second Floor. Movable steel partitions on First Floor. **TOILETS, MEN'S & WOMEN'S:** Ceramic Tile floors and ceramic glazed structural tile walls. **STEPS, PLATFORMS & DOOR SILLS:** Granite. **MAIN ENTRANCE, ENTABLATURE & MOTIF:** Wood. **FLOOR & ROOF CONSTRUCTION:** Reinforced concrete with concrete spandrels, beams and columns. **ROOF:** Tar and Gravel, 20-year bond. **FLASHING:** Copper. **GRAVEL STOP:** Lead-coated copper. **WINDOWS:** Metal. **DOOR BUCKS & TRIM:** Metal. **DOORS, INSIDE:** Flush hollow metal. **DOORS, OUTSIDE:** Main entrance doors, white pine. **STAIRS:** Steel. **CEILINGS:** Ground floor and portion of First Floor, concrete painted. Second Floor, Acoustical Tile. **HEATING:** Vapor Steam. **AIR CONDITIONING:** Operating Rooms, second floor. **PLUMBING:** Standard. **ELECTRIC:** Rigid Conduit.



SECOND FLOOR PLAN

DIAL CENTRAL OFFICE BLDG.
NEW ENGLAND TEL. & TEL. CO.
PORTSMOUTH, N. H.

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ARCHITECTS & ENGINEERS
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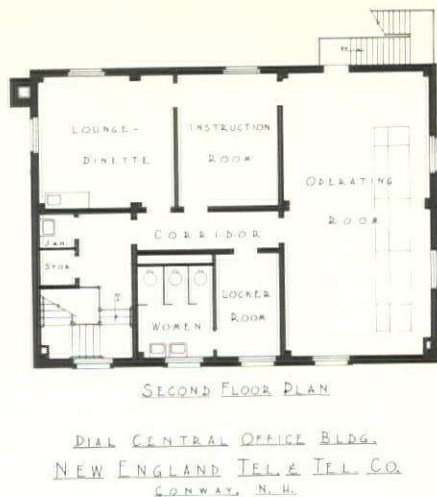
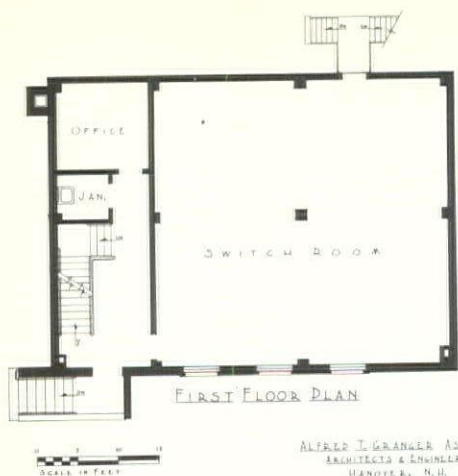
FOR

DIAL EXCHANGE BUILDING

New England Telephone & Telegraph Co.

AT

Concord - Conway - Portsmouth



Dial Central Office Building, Conway, N. H.

CONSTRUCTION:

FOOTINGS & FOUNDATION WALLS: Concrete. **EXTERIOR WALLS:** Face Brick backed up with concrete block excepting rear wall that is Tex-Dri Wall Masonry. **INTERIOR PARTITIONS:** Concrete Block. **TOILETS:** Ceramic Tile floors and salt-glazed tile walls. **FLOORING:** Asphalt Tile and Linoleum. **STEPS, PLATFORMS & DOOR SILLS:** Concrete. **WINDOW SILLS, PANELS & ARCHITRAVES:** Limestone. **FLOOR & ROOF CONSTRUCTION:** Reinforced concrete with concrete spandrels, beams and

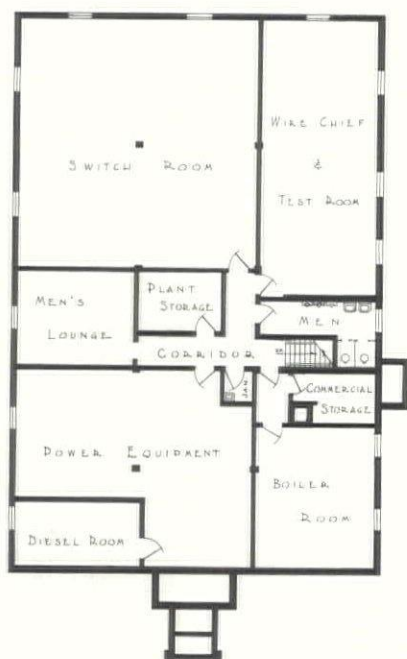
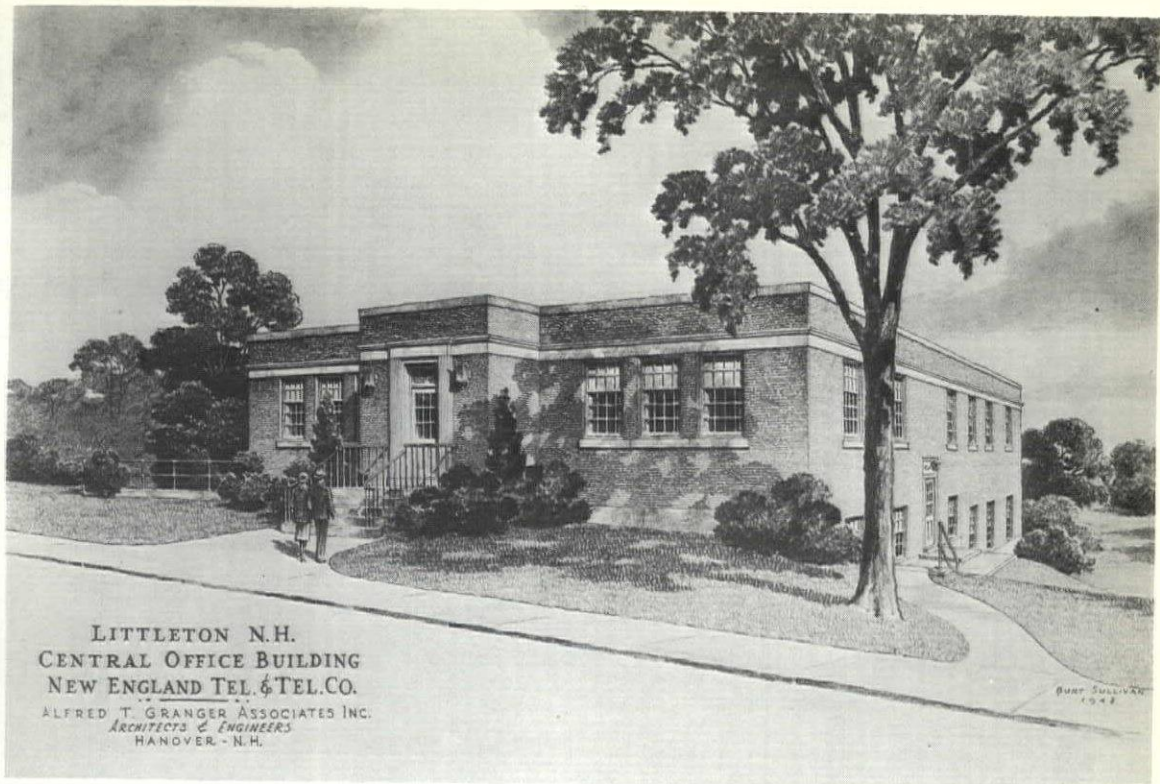
columns. **ROOF:** Tar and gravel, 20-year bond. **FLASHING:** Copper. **GRAVEL STOP:** Lead-coated copper. **WINDOWS:** Metal. **DOOR BUCKS & TRIM:** Metal, Frame Combination. **DOORS, INSIDE:** Flush hollow metal. **DOORS, OUTSIDE:** Hollow metal. **STAIRS:** Steel. **CEILINGS:** All concrete slab ceilings and surfaces painted excepting Office, Instruction Rm., Operating Room and Lounge-Dinette which are covered with acoustical units. **HEATING:** Vapor steam with ventilating units. **ELECTRIC:** Rigid Conduit.

Central Office Building, Littleton, N. H.

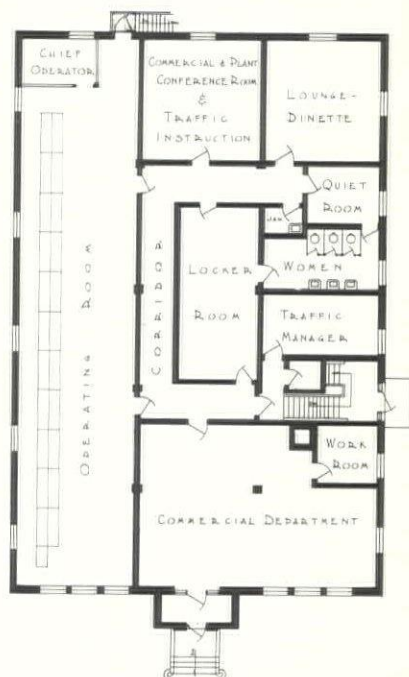
CONSTRUCTION:

FOUNDATIONS & FOOTINGS: Concrete. **EXTERIOR WALLS:** Solid brick with air space. Outside brick, water struck, Inside brick, sand lime. First Floor, metal furred, metal lathed and plastered. **GROUND FLOOR INTERIOR PARTITIONS:** Terra Cotta Partition Tile plastered. **TOILET FLOORS & DADOES:** Ceramic Tile. **FLOOR COVERING:** Asphalt Tile and Linoleum. **STEPS, PLATFORMS & DOOR SILLS:** Granite. **WINDOW SILLS & ENTRANCE:** Limestone. **FLOOR & ROOF CONSTRUCTION:** Reinforced concrete with beams

and columns fire-proofed. **ROOF:** Tar and Gravel, 20-year bond. **FLASHING:** Copper. **GRAVEL STOP:** Lead-coated copper. **WINDOWS:** Wood. **DOOR BUCKS & TRIM:** Wood. **DOORS—INSIDE:** Solid 5-ply flush veneered. **DOORS—OUTSIDE:** White Pine. **STAIRS:** Steel with terrazzo treads. **CEILINGS:** Ground Floor, concrete surface painted. First Floor—suspended, metal lathed and plastered excepting Operating Room which has acoustical tile. **HEATING:** Vapor Steam with ventilating units. **PLUMBING:** Standard. **ELECTRIC:** Rigid Conduit.



GROUND FLOOR PLAN



FIRST FLOOR PLAN

DIAL CENTRAL OFFICE BLDG. NEW ENGLAND TEL. & TEL. CO.

LITTLETON, N. H.

ALFRED T. GRANGER ASSOC.
ARCHITECTS & ENGINEERS
HANOVER, N. H.

CARL E. PETERSON FIRST N. H. ARCHITECT ON DIAL CONSTRUCTION

The firm of Carl E. Peterson, Architect started to design and alter buildings for the New England Telephone and Telegraph Company in 1946.

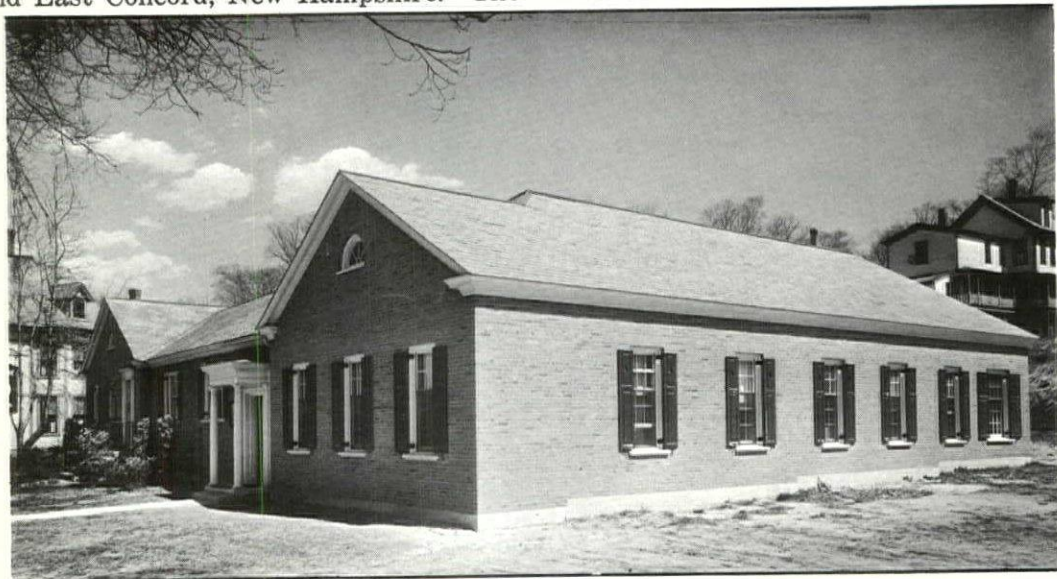
While working with the New England Telephone and Telegraph Company on their different projects, I have found the work interesting and educational. The

work requires extreme accuracy but I have found that the Boston Office of the company has always cooperated by supplying me with the necessary data, without which, I would have found it difficult to complete the complicated details an architect is apt to encounter in buildings of this type.



One of the first projects assigned to this office in 1946 was to design three "K" or "Relay" Stations. These stations were located in Londonderry, Hooksett and East Concord, New Hampshire. The

three buildings were designed in conventional colonial architecture. The construction was cinder block walls with brick facings; concrete floor slab on fill and wood framed roof.

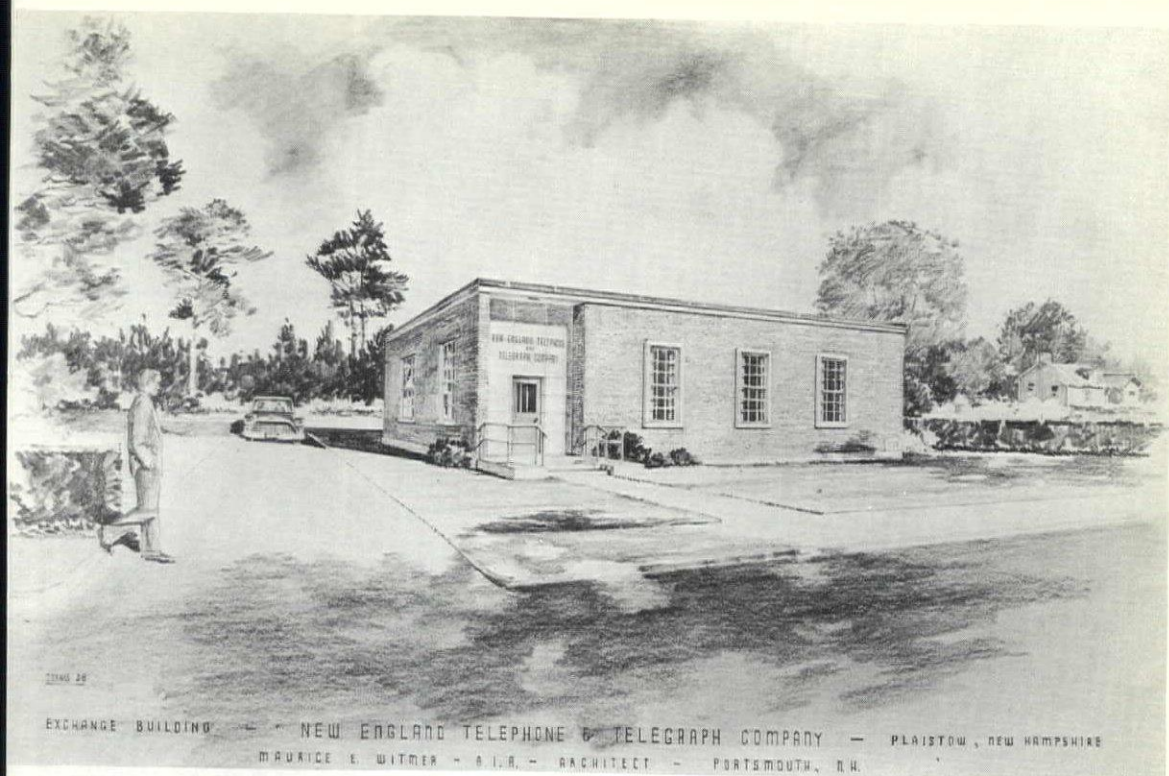


An Addition to the Franklin Telephone Exchange Building in Franklin, N. H. was also carried forward in 1946. It was designed to accommodate the new dial

equipment which the Telephone Company was installing in that area. The design of the new addition was dictated by the original building which was colonial.



The Dial Exchange Building in Concord, N. H. was designed in 1952. This building was planned to contain all the necessary dial equipment needed for that area. It was also planned for future growth and with this in mind, a third floor can be added. New additions can be added to two sides of the present building whenever necessary. It is of masonry construction, entirely fireproof throughout.



PLAISTOW — This building will maintain no operators and provides only for the mechanical dialing equipment for this area as a sub-station to the Haverhill district with all mechanical equipment on the first floor. This building is entirely fireproof with reinforced concrete slab, and steel roof deck. The exterior walls are of Philadelphia shale brick and limestone trim.

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at

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at

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So. Mammoth Rd., Londonderry, N. H.

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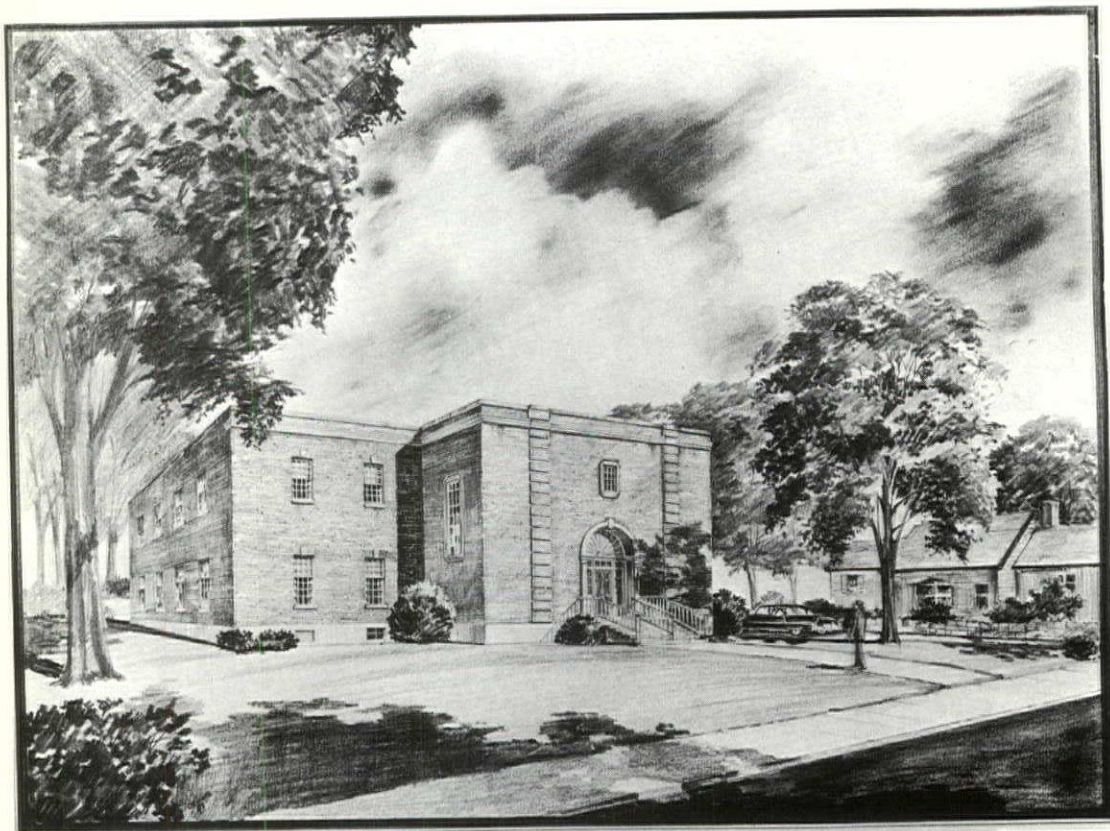
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• MAURICE E. WITCOX, A.C.A., ARCHITECT, PORTSMOUTH, N.H. •

LACONIA — This building is complete with basement, first, and second floors, to provide area for power, mechanical equipment, and operators' facilities. It is constructed of reinforced concrete foundations and reinforced concrete tee-beams and slab for floors with waterstruck brick, limestone, and granite trim on the exterior.

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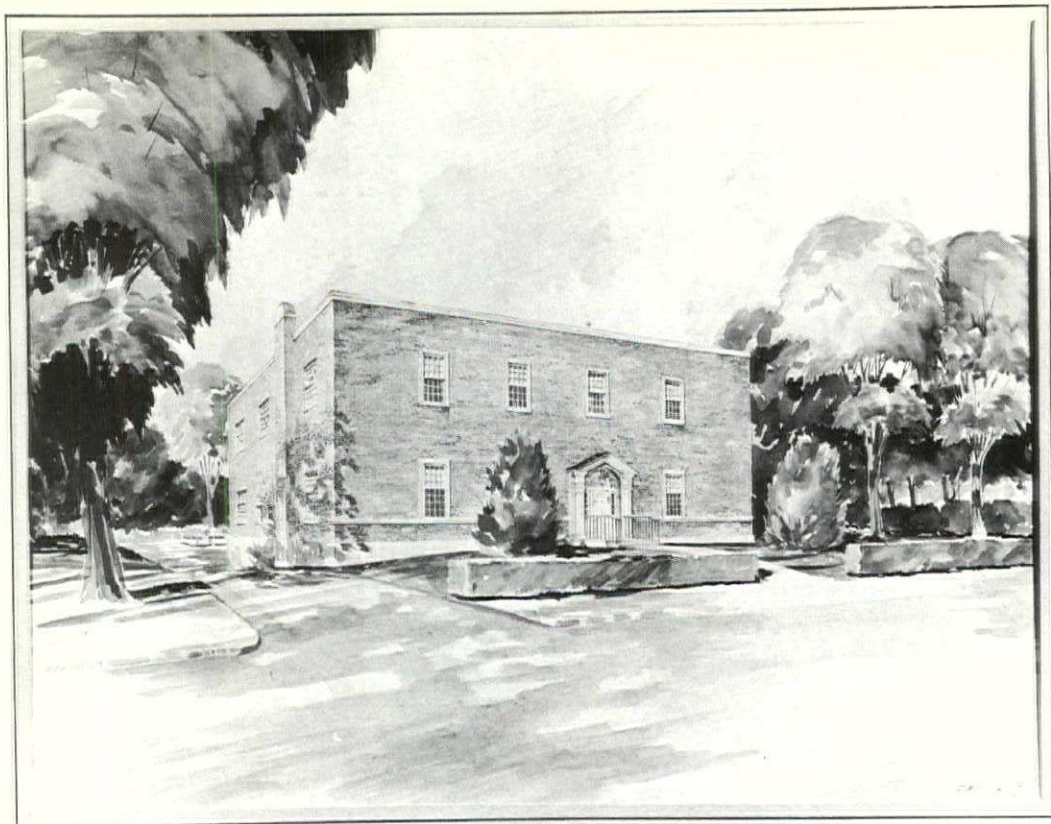
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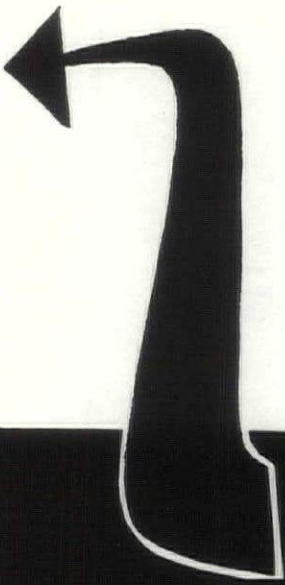
DIAL EXCHANGE BUILDING
NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY
PETERBOROUGH, NEW HAMPSHIRE

MAURICE E. WITMER - A.I.A. - ARCHITECT
PORTSMOUTH, NEW HAMPSHIRE

PETERBOROUGH — This building is a two story building, with unexcavated basement area, which cares for only sanitary facilities and cable vault. All other facilities for power, control, and operators' room are on the first and second floor. It is constructed of reinforced concrete foundations and reinforced concrete tee-beams and slab for floors with waterstruck brick, limestone, and granite trim on the exterior.



DIAL EXCHANGE BUILDING AT PETERBOROUGH



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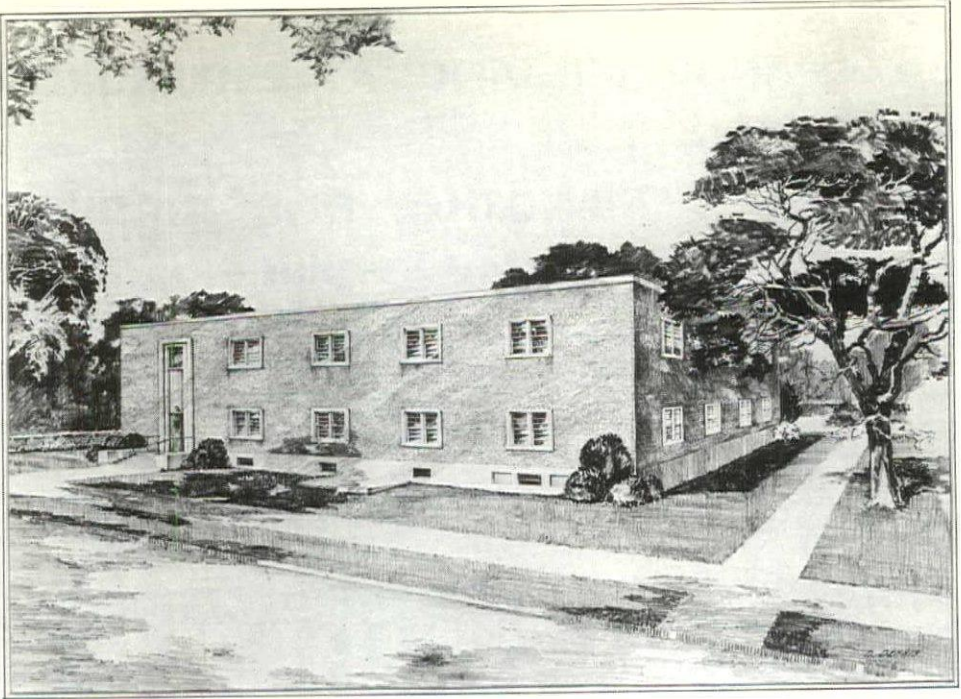
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at

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DIAL EXCHANGE BUILDING
NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY
DOVER, NEW HAMPSHIRE

MAURICE E. WITMER A. I. A.
ARCHITECT PORTSMOUTH, N. H.

DOVER — The building is complete with basement, first, and second floors to provide area for power, mechanical equipment, and operators' facilities. The Dover job is a completely fireproof structure, reinforced concrete and waterproofed foundations, with reinforced concrete flat slab construction for first, second, and roof slab which is designed for a future third floor. The building is constructed of Pennsylvania shale brick, limestone, and granite, with brick interior stairwells and cinder block interior partitions. The rear exterior wall is designed as a knock-out wall for a future addition. The building was planned for future extensions both toward the rear and vertically over the second floor. Steel sash, steel door frames with solid core veneer doors were used throughout. The color scheme on the interior rooms were designed to give maximum light reflection with pleasant tints according to light directional room and occupancy.



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General Contractor

for

Dover, New Hampshire

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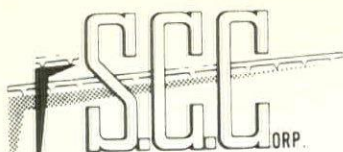
at

DOVER, N. H. LACONIA, N. H.

PETERBOROUGH, N. H.

TELEPHONE 131 — OAK STREET

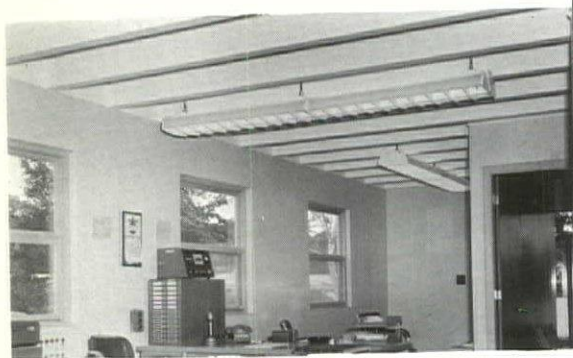
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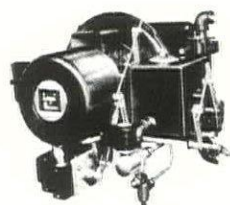
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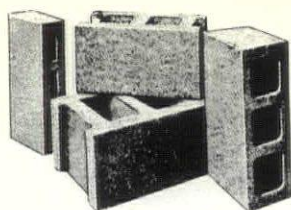


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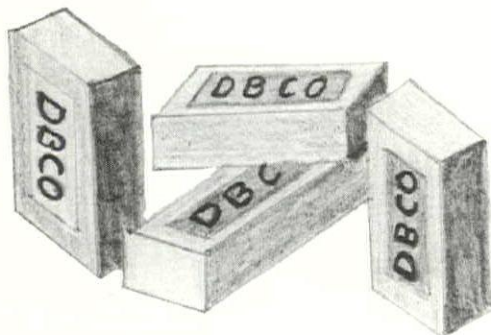
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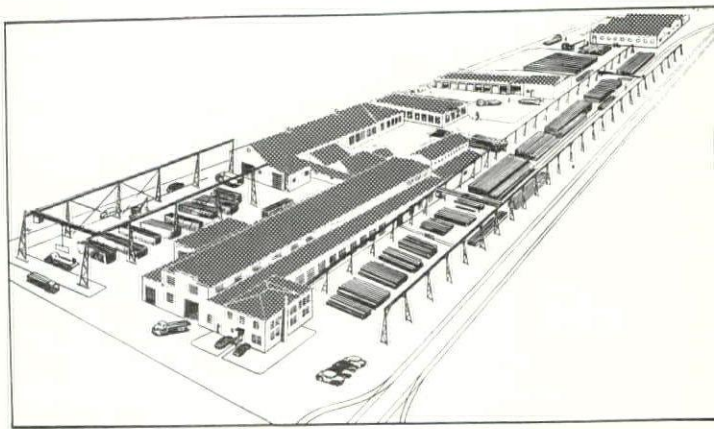


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